

PAGE: 1

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

RAW SEQUENCE LISTING PATENT APPLICATION US/09/209,125

DATE: 12/22/1998 TIME: 14:59:00

660

720

780 840

900

960

1020

1080

1140

1200

1260

1320

1380

1440

1500

1560

Input Set: I209125.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

ENTERED <110> APPLICANT: Jayashree Aiyar 1 2 Claudia Ann Iannotti 3 Edward Philip Christian Naomi Jean Logsdon 4 <120> TITLE OF INVENTION: HUMAN BRAIN-DERIVED TISSUE-SPECIFIC 5 POTASSIUM CHANNEL 6 7 <130> FILE REFERENCE: PHM.70293 <140> CURRENT APPLICATION NUMBER: US/09/209,125 8 9 <141> CURRENT FILING DATE: 1998-12-10 <150> EARLIER APPLICATION NUMBER: GB 9726339.6 10 <151> EARLIER FILING DATE: 1997-12-13 11 <160> NUMBER OF SEQ ID NOS: 10 12 <170> SOFTWARE: FastSEQ for Windows Version 3.0 13 14 <210> SEQ ID NO 1 15 <211> LENGTH: 3029 <212> TYPE: DNA 16 17 <213 > ORGANISM: Homo sapiens 18 <400> SEQUENCE: 1 19 gccaggcacc atggtgcaga agtcgcgcaa cggcggcgta taccccggcc cgagcgggga 60 20 gaagaagctg aaggtgggct tegtggggct ggaccccggc gcgcccgact ccacccggga 120 cggggcgctg ctgatcgccg gctccgaggc ccccaagcgc ggcagcatcc tcagcaaacc 180 21 tegegeggge ggegegggeg eegggaagee eeceaagege aacgeettet acegeaaget 22 240 300 23 gcagaatttc ctctacaacg tgctggagcg gccgcgcgcc tgggcgttca tctaccacgc 24 ctacgtgttc ctcctggttt tctcctgcct cgtgctgtct gtgttttcca ccatcaagga 360 25 gtatgagaag ageteggagg gggeeeteta eateetggaa ategtgaeta tegtggtgtt 420 26 tggcgtggag tacttcgtgc ggatctgggc cgcaggctgc tgctgccggt accgtggctg 480 27 gagggggggg ctcaagtttg cccggaaacc gttctgtgtg attgacatca tggtgctcat 540 28 cgcctccatt gcggtgctgg ccgccggctc ccagggcaac gtctttgcca catctgcgct 600

ccqqaqcctq cqcttcctqc aqattctqcq qatqatccqc atqqaccqgc qggqagqcac

ctggaagctg ctgggctctg tggtctatgc ccacagcaag gagctggtca ctgcctggta

categgette ettigtetea teetggeete giteetggig taettggeag agaaggggga

gaacgaccac tttgacacct acgcggatgc actctggtgg ggcctgatca cgctgacacc

attggctacg gggacaagta cccccagacc tggaacggca ggctccttgc ggcaaccttc

accetcateg gtgtctcett ettegegetg cetgeaggea tettggggte tgggtttgee

ctgaaggttc aggagcagca caggcagaag cactttgaga agaggcggaa cccggcagca

ggcctgatcc agtcggcctg gagattctac gccaccaacc tctcgcgcac agacctgcac

tccacgtggc agtactacga gcgaacggtc accgtgccca tgtacagttc gcaaactcaa

acctacgggg cctccagact tatccccccg ctgaaccagc tggagctgct gaggaacctc

aagagtaaat ctggactege tttcaggaag gacceceege eggageegte tecaageeag

aaggtcagtt tgaaagatcg tgtcttctcc agcccccgag gcgtggctgc caaggggaag

gggtccccgc aggcccagac tgtgaggcgg tcacccagcg ccgaccagag cctcgaggac

agececagea aggtgeecaa gagetggage tteggggaee geageeggge aegeeagget

ttccgcatca agggtgccgc gtcacggcag aactcagaag aagcaagcct ccccggagag

gacattgtgg atgacaagag ctgcccctgc gagtttgtga ccgaggacct gaccccgggc



PAGE: 2 RAW SEQUENCE LISTING DATE: 12/22/1998

PATENT APPLICATION US/09/209,125 TIME: 14:59:00

Input Set: I209125.RAW

						_									
45		ctcaaagtca	gcatcagagc	cgtgtgtgtc	atgcggttcc	tggtgtccaa	gcggaagttc	1620							
46			tgcggcccta					1680							
47			tgtcccgaat					1740							
48			tcacggacaa					1800							
49			tgatgggacg					1860							
50			tcctggtgaa					1920							
51			ttggggccaa					1980							
52			atgtcgacag					2040							
53			agaacttctc					2100							
54			agccacagag		•			2160							
55			tggtgcgcat					2220							
56			accgcgccag					2280							
57			ggaccctgcg					2340							
58			agcgttcctt					2400							
59 [°]			gctgctacgc					2460							
60			cagacaccga					2520							
61			agggtccctt					2580							
62			tggacccgcc					2640							
63			tggggccctt					2700							
64			tgtgggctga					2760							
65			gggctggagg					2820							
66			cctgtccact					2880							
67			gatgacgggg					2940							
68			aggcacaaag					3000							
69			ggacctgcgg				-555-555-	3029							
70	<210>	SEO ID NO 2													
71		> LENGTH: 2565													
72		TYPE: DNA													
73		ORGANISM: Homo sapiens													
74		SEQUENCE: 2													
75		-	agtcgcgcaa	caacaacata	taccccqqcc	cgagcgggga	gaagaagetg	60							
76			tcgtggggct					120							
77			gctccgaggc					180							
78			ccgggaagcc					240							
79			tgctggagcg					300							
80			tctcctgcct					360							
81		agctcggagg						420							
82				catcctggaa	alculuacia	tcataatatt	Luuculaaa								
		tacttcgtgc	ggatctgggc	cgcaggctgc	tgctgccggt	accgtggctg	gagggggcgg	480							
83		tacttcgtgc ctcaagtttg	ggatctgggc cccggaaacc	cgcaggctgc gttctgtgtg	tgctgccggt attgacatca	accgtggctg tggtgctcat	gagggggcgg cgcctccatt	480 540							
83 84		tacttcgtgc ctcaagtttg gcggtgctgg	ggatctgggc cccggaaacc ccgccggctc	cgcaggctgc gttctgtgtg ccagggcaac	tgctgccggt attgacatca gtctttgcca	accgtggctg tggtgctcat catctgcgct	gagggggcgg cgcctccatt ccggagcctg	480 540 600							
83 84 85		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc	ggatctgggc cccggaaacc ccgccggctc agattctgcg	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc	tgctgccggt attgacatca gtctttgcca atggaccggc	accgtggctg tggtgctcat catctgcgct ggggaggcac	gagggggcgg cgcctccatt ccggagcctg ctggaagctg	480 540 600 660							
83 84 85 86		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta	gagggggegg egeeteeatt eeggageetg etggaagetg eateggette	480 540 600 660 720							
83 84 85 86 87		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg ctttgtctca	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaaggggga	gagggggcgg cgcctccatt ccggagcctg ctggaagctg catcggcttc gaacgaccac	480 540 600 660 720 780							
83 84 85 86 87 88		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg ctttgtctca tttgacacct	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg actctggtgg	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaaggggga cgctgaccac	gagggggcgg cgcctccatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac	480 540 600 660 720 780 840							
83 84 85 86 87 88		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg ctttgtctca tttgacacct ggggacaagt	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc acccccagac	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg actctggtgg ctggaacggc	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca aggctccttg	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaaggggga cgctgaccac cggcaacctt	gagggggcgg cgcctccatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac caccctcatc	480 540 600 660 720 780							
83 84 85 86 87 88		tacttegtge ctcaagtttg geggtgetgg egetteetge ctgggetetg etttgtetea tttgacacet ggggacaagt ggtgteteet	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc accccagac tcttcgcgct	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg actctggtgg ctggaacggc gcctgcaggc	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca aggctccttg atcttggggt	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaaggggga cgctgaccac cggcaacctt ctgggtttgc	gagggggcgg cgcctcatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac caccctcatc	480 540 600 660 720 780 840 900							
83 84 85 86 87 88 89 90		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg ctttgtctca tttgacacct ggggacaagt ggtgtctcct caggagcagc	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc accccagac tcttcgcgct acaggcagaa	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg actctggtgg ctggaacggc gcctgcaggc gcactttgag	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca aggctccttg atcttggggt aagaggcgga	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaagggga cgctgaccac cggcaacctt ctgggtttgc acccggcagc	gagggggcgg cgcctcatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac caccctcatc cctgaaggtt aggcctgatc	480 540 600 660 720 780 840 900 960 1020							
83 84 85 86 87 88 89 90		tacttegtge ctcaagtttg geggtgetgg egetteetge ctgggetetg etttgtetea tttgacacet ggggacaagt ggtgteteet caggagcage cagteggeet	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc acccccagac tcttcgcgct acaggcagaa ggagattcta	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtg actctggtgg ctggaacggc gcctgcaggc gcactttgag cgccaccaac	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca aggctccttg atcttggggt aagaggcgga ctctcgcgca	accgtggctg tggtgctcat catctgcgct ggggaggcac ctgcctggta agaagggga cgctgaccac cggcaacctt ctgggtttgc acccggcagc cagacctgca	gagggggggg cgcctcatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac caccctcatc cctgaaggtt aggcctgatc ctccacgtgg	480 540 600 660 720 780 840 900 960 1020							
83 84 85 86 87 88 89 90		tacttcgtgc ctcaagtttg gcggtgctgg cgcttcctgc ctgggctctg ctttgtctca tttgacacct ggggacaagt ggtgtctcct caggagcagc cagtcggcct cagtactacg	ggatctgggc cccggaaacc ccgccggctc agattctgcg tggtctatgc tcctggcctc acgcggatgc accccagac tcttcgcgct acaggcagaa	cgcaggctgc gttctgtgtg ccagggcaac gatgatccgc ccacagcaag gttcctggtgg actctggtgg ctggaacggc gcctgcaggc gcactttgag cgccaccaac caccgtgccc	tgctgccggt attgacatca gtctttgcca atggaccggc gagctggtca tacttggcag ggcctgatca aggctccttg atcttggggt aatgggga ctctcgcgca atgtacagtt	accgtggctg tggtgctcat catctgcgct gggaggcac ctgcctggta agaagggga cgctgaccac cggcaacctt ctgggtttgc acccggcagc cagacctgca cgcaaactca	gagggggggg cgcctcatt ccggagcctg ctggaagctg catcggcttc gaacgaccac cattggctac cacctcatc cctgaaggtt aggcctgatc ctccacgtgg aacctacggg	480 540 600 660 720 780 840 900 960 1020							

DATE: 12/22/1998 TIME: 14:59:00 RAW SEQUENCE LISTING PAGE:

PATENT APPLICATION US/09/209,125

Input Set: I209125.RAW

														_				
95		tct	ggaci	tcg	cttt	cagga	aa g	gacc	cccc	giác	ggag	ccgt	ctc	caag	cca	gaag	gtcagt	1260
96		ttga	aaaga	atc	gtgt	cttc	tc ca	agcc	cccg	a gg	egtg	gctg	cca	aggg	gaa	ggggt	tccccg	1320
97		cag	gccca	aga	ctgt	gaggo	eg g	tcac	ccag	c gc	cgac	caga	gcc	tcga	gga	cagc	cccagc	1380
98		aag	gtgc	cca	agago	ctgga	ag c	ttcg	ggga	c cg	cagc	cggg	cac	gcca	ggc	tttc	cgcatc	1440
99		aag	ggtg	ccg	cgtca	acggo	ca g	aact	caga	a gaa	agcaa	agcc	tcc	ccgg	aga	ggaca	attgtg	1500
100																	aaagtc	1560
101																	gagagc	1620
102																	gacatg	1680
103																	ccagcg	1740
104																	cccagc	1800
105																	ctggac	1860
106																	gcctac	1920
107																	- cgggag	1980
108																	ggccag	2040
109																	tcctgg	2100
110																	ggctcc	2160
111																	gggggc	2220
112																	cccgag	2280
113																	gagetg	2340
114																	ctcaac	2400
115																	ggagag	2460
116																	accggc	2520
117					ttggi											JJ		2565
118	<210>					- J	J - J.	JJ	J J J -	- 55.	,	-55	J	, .				
119	<211>	_						•										
120	<212>																	
121	<213>				omo s	sapie	ens											
122	<400>																	
123					Lys	Ser	Ara	Asn	Glv	Glv	Val	Tvr	Pro	Glv	Pro	Ser	Glv	
124		1			-1-	5	5		1	1	10	- 4 -		1		15	1	
125			Lvs	Lvs	Leu		Val	Glv	Phe	Val		Leu	Asp	Pro	Glv	Ala	Pro	
126			-1-		20			2		25	2		- 1		30		-	
127		gzA	Ser	Thr	Arg	Asp	Glv	Ala	Leu	Leu	Ile	Ala	Glv	Ser	Glu	Ala	Pro	
128				35					40				- 4	45				
129		Lvs	Arq		Ser	Ile	Leu	Ser	Lvs	Pro	Arg	Ala	Glv	Glv	Ala	Glv	Ala	
130			50	2				55			3		60	• •		- 4		
131		Glv		Pro	Pro	Lvs	Arq		Ala	Phe	Tvr	Arq		Leu	Gln	Asn	Phe	
132		65					70				- 2	75	4		_		80	
133			Tvr	Asn	Val	Leu		Ara	Pro	Ara	Glv	_	Ala	Phe	Ile	Tvr		
134			- 1 -			85		5		5	90					95		
135		Ala	Tvr	Val	Phe		Leu	Val	Phe	Ser	Cvs	Leu	Val	Leu	Ser	Val	Phe	
136			- 4 -		100					105	- 2 -				110			
137		Ser	Thr	Ile	Lys	Glu	Tvr	Glu	Lvs		Ser	Glu	Glv	Ala			Ile	
138				115	-1-		-1-		120				1	125		- 2 -		
139		Leu	Glu		Val	Thr	Ile	Val		Phe	Glv	Val	Glu		Phe	Val	Arq	
140			130					135			1		140	-1-	0			
141		Ile		Ala	Ala	Glv	Cvs		Cvs	Ara	Tvr	Ara		Trp	Ara	Glv	Arq	
142		145			 	1	150	-1-	-1-	3	-1-	155	1	P	3	1	160	
143			Lvs	Phe	Ala	Ara		Pro	Phe	Cvs	Val		Asp	Ile	Met	Val		
144			_, -			165	_, ~			-,-	170					175		
- 																•		



RAW SEQUENCE LISTING DATE: 12/22/1998 TIME: 14:59:00 PAGE:

PATENT APPLICATION US/09/209,125

Input Set: I209125.RAW

145		.Ile	Ala	Ser	Ile	Ala	Val	Leu	Ala		Gly	Ser	Gln	Gly		Val	Phe
146		_ •		_	180	_	_	_	_	185		_			190	_	
147		Ala	Thr		Ala	Leu	Arg	Ser		Arg	Phe	Leu	GIn		Leu	Arg	Met
148		-1-	•	195		•		~1	200	 1	_	-		205	~7	_	
149		Пе		Met	Asp	Arg	Arg		GIY	Thr	Trp	Lys		Leu	GIY	Ser	Val
150		*** 1	210		•••			215					220				_,
151			туr	Ala	His	ser		GIU	Leu	vaı	Thr		Trp	Tyr	тте	GIY	
152		225	~	T	- 1-	T	230	a	D1	7	**- 1	235	•		~1	-	240
153		ьeu	Cys	ьeu	Ile		Ата	ser	Pne	ьеи		Tyr	ьец	Ата	GIU	_	GIY
154		~1	7.00	7 00	tri a	245	7.00	mh w	T7 ***	77.	250	77-	T 011	(T) 2020		255	T 0
155 156		GIU	ASII	Азр	His 260	PITE	Asp	1111	TAT	265	Asp	нта	neu	пр	270	GIY	ьец
157		т1ь	Thr	Ť. 2 11	Thr	Thr	Tla	Glv	Туг		λαη	Laze	Тиг	Dro		Thr	Trn
158		116	1111	275	1111	1111	116	Gry	280	Gry	App	пур	TYL	285	GIII	1111	пр
159 ·		Δsn	Glv		Leu	T.e.11	Δla	Δla		Phe	Thr	T. e 11	Tle		Va 1	Ser	Dhe
160			290	••••				295	****			204	300	017	V41	501	1110
161		Phe		Leu	Pro	Ala	Glv		Leu	Glv	Ser	Glv		Δla	Leu	Lvs	Va 1
162		305					310			U-1		315				-7-	320
163			Glu	Gln	His	Ara		Lvs	His	Phe	Glu		Ara	Ara	Asn	Pro	
164						325					330		5	5		335	
165		Ala	Gly	Leu	Ile		Ser	Ala	Trp	Arq		Tvr	Ala	Thr	Asn		Ser
166			-		340				•	345		4			350		
167		Arg	Thr	Asp	Leu	His	Ser	Thr	Trp	Gln	Tyr	Tyr	Glu	Arg	Thr	Val	Thr
168		_		355					360		-	-		365			
169	•	Val	Pro	Met	Tyr	Ser	Ser	Gln	Thr	Gln	Thr	Tyr	Gly	Ala	Ser	Arg	Leu
170			370					375					380				
171		Ile	Pro	Pro	Leu	Asn	Gln	Leu	Glu	Leu	Leu	Arg	Asn	Leu	Lys	Ser	Lys
172		385					390					395					400
173		Ser	Gly	Leu	Ala	Phe	Arg	Lys	Asp	Pro	Pro	Pro	Glu	Pro	Ser	Pro	Ser
174					•	405					410					415	
175		Gln	Lys	Val	Ser	Leu	Lys	Asp	Arg	Val	Phe	Ser	Ser	Pro	Arg	Gly	Val
176					420					425					430		
177		Ala	Ala	_	Gly	Lys	Gly	Ser		Gln	Ala	Gln	Thr		Arg	Arg	Ser
178				435					440					445	_		
179		Pro		Ala	Asp	Gln	Ser		Glu	Asp	Ser	Pro		Lys	Val	Pro	Lys
180		_	450	_	_,		_	455	_	_		_	460		_,	_	
181			Trp	ser	Phe	GIY		Arg	ser	Arg	Ala		GIn	Ala	Phe	Arg	
182		465	a 1			a	470	01 -		a	~ 1	475		a	•	5	480
183		гуѕ	GIY	Ата	Ala		Arg	GIN	Asn	ser		GIU	Ата	ser	ьeu		GIA
184		~1	7 00	т10	1707	485	7	T	Com	C1.0	490	C++=	~1	Dho	7707	495	~1
185 186		GIU	Asp	TIE	Val	Asp	Asp	ьуѕ	ser	505	Pro	Cys	GIU	Pne		inr	GIU
187		λen	T.011	Thr	Pro	Glv	T.011	Laze	175 T		Tla	720	ת ה	1721	510 Cvc	Va 1	Mot
188		rop	Lieu	515	110	Gry	Leu	пуз	520	DET	TT6	AL Y	ATA	525	Cys	val	1.16.6
189		Ara	Phe		Val	Ser	Lvs	Ara		Phe	Lvs	Glu	Ser		Ara	Pro	Tvr
190		9	530				_,,	535	~, 0		~,, 5	JIU	540	_cu	9	110	-1-
191		Asp		Met	Asp	Val	Ile		Gln	Tvr	Ser	Ala		His	Leu	Asp	Met
192		545					550			- / -		555	1				560
193			Ser	Arg	Ile	Lys		Leu	Gln	Ser	Arq		Asp	Gln	Ile	Val	
194				-		565					570		-			575	•



DATE: 12/22/1998 TIME: 14:59:00 RAW SEQUENCE LISTING PAGE: 5

PATENT APPLICATION US/09/209,125

Input Set: 1209125.RAW

195		Arg	Gly	Pro	Ala	Ile	Thr	Asp	Lys	Asp	Arg	Thr	Lys	Gly	Pro	Ala	Glu		
196					580					585					590				
197		Ala	Glu		Pro	Glu	Asp	Pro		Met	Met	Gly	Arg		Gly	Lys	Val		
198				595					600					605					
199		Glu	Lys	Gln	Val	Leu	Ser		Glu	Lys	Lys	Leu	Asp	Phe	Leu	Val	Asn		
200		_	610					615	_				620			_			
201			Tyr	Met	Gln	Arg		Gly	Ile	Pro	Pro		Glu	Thr	Glu	Ala	_		
202		625					630					635					640		
203		Phe	Gly	Ala	Lys		Pro	Glu	Pro	Ala		Pro	Tyr	His	Ser	Pro	Glu		
204					_	645					650		_			655	_		
205		Asp	Ser	Arg		His	Val	Asp	Arg		Gly	Cys	Ile	Val	_	Ile	Val		
206					660					665					670				
207		Arg	Ser	Ser	Ser	Ser	Thr	Gly	Gln	Lys	Asn	Phe	Ser	Ala	Pro	Pro	Ala		
208				675					680					685					
209		Ala	Pro	Pro	Val	Gln	Cys	Pro	Pro	Ser	Thr	Ser	Trp	Gln	Pro	Gln	Ser		
210			690					695					700						
211		His	Pro	Arg	Gln	Gly	His	Gly	Thr	Ser	Pro	Val	Gly	Asp	His	Gly	Ser		
212		705					710					715					720		
213		Leu	Val	Arg	Ile		Pro	Pro	Pro	Ala		Glu	Arg	Ser	Leu	Ser	Ala		
214						725					730					735			
215		Tyr	Gly	Gly	Gly	Asn	Arg	Ala	Ser	Met	Glu	Phe	Leu	Arg	Gln	Glu	Asp		
216					740					745					750				
217		Thr	Pro	_	Cys	Arg	Pro	Pro	Glu	Gly	Thr	Leu	Arg	Asp	Ser	Asp	Thr		
218				755					760					765					
219		Ser	Ile	Ser	Ile	Pro	Ser	Val	Asp	His	Glu	Glu	Leu	Glu	Arg	Ser	Phe		
220			770					775					780						
221		Ser	Gly	Phe	Ser	Ile	Ser	Gln	Ser	Lys	Glu	Asn	Leu	Asp	Ala	Leu	Asn		
222		785					790					795					800		
223		Ser	Cys	Tyr	Ala		Val	Ala	Pro	Суз		Lys	Val	Arg	Pro	Tyr	Ile		
224						805					810					815			
225		Ala	Glu	Gly	Glu	Ser	Asp	Thr	Asp	Ser	Asp	Leu	Cys	Thr	Pro	Cys	Gly		
226					820				_	825					830		_		
227		Pro	Pro		Arg	Ser	Ala	Thr	_	Glu	Gly	Pro	Phe	Gly	Asp	Val	Gly		
228				835					840					845					
229		Trp	Ala	Gly	Pro	Arg	Lys												
230			850																
231	<210>	_																	
232	<211>				5														
233	<212>																		
234	<213>				omo s	sapie	ens												
235	<400>																		
236																	gcggaa		60
237																	gcccc		120
238							_						_			_	accatg		180
239																	ctgaag		240
240			_	-				-		-	-						ctgctg		300
241																	ggcggc		360
242																	tcctc		420
243																	tcctc		480
244	•	ctg	gttt	ct d	cctgo	cctcc	gt go	ctgto	tgtg	j ttt	tcca	acca	tcaa	aggaç	gta 1	gaga	agagc	Ę	540

PAGE:

VERIFICATION SUMMARY VERIFICATION SUMMARY DATE: 12/22/1998
PATENT APPLICATION US/09/209,125
TIME: 14:59:00

Input Set: I209125.RAW

Line ? Error/Warning Original Text